

Sanford Dry Cleaners

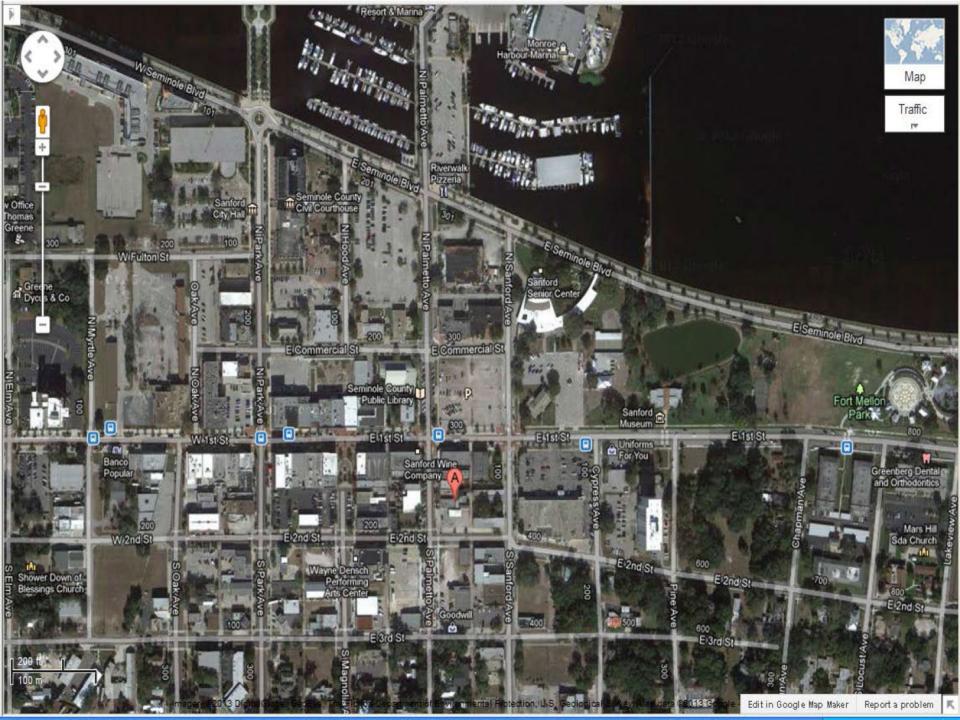
Superfund Site Sanford, FL

Priority Panel Presentation



Site Background

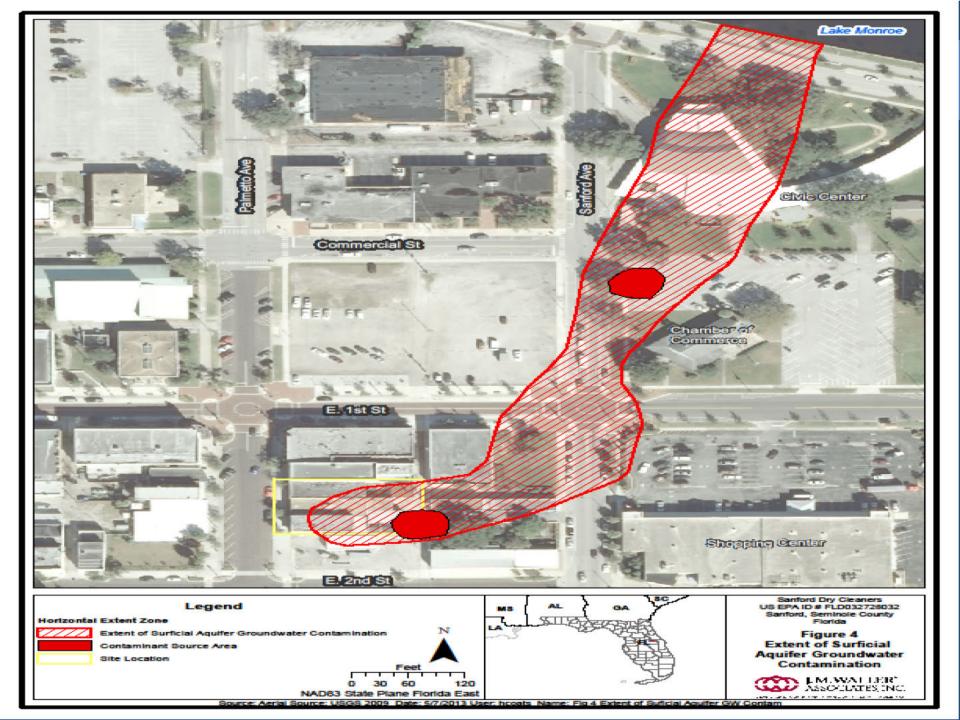
- Site is located in historic district of downtown Sanford, Florida and consists of two contiguous parcels
- Dry cleaning operations conducted at the facility from the 1940s to 2001
- Lab results of soil, groundwater, and indoor air samples collected during the RI confirmed the presence of PCE, TCE, DCE at concentrations above RSLs, MCLs, and FDEP SCTLs, GCTLs
- Lab results of pore water and surface water samples collected from Lake Monroe were below RSLs.

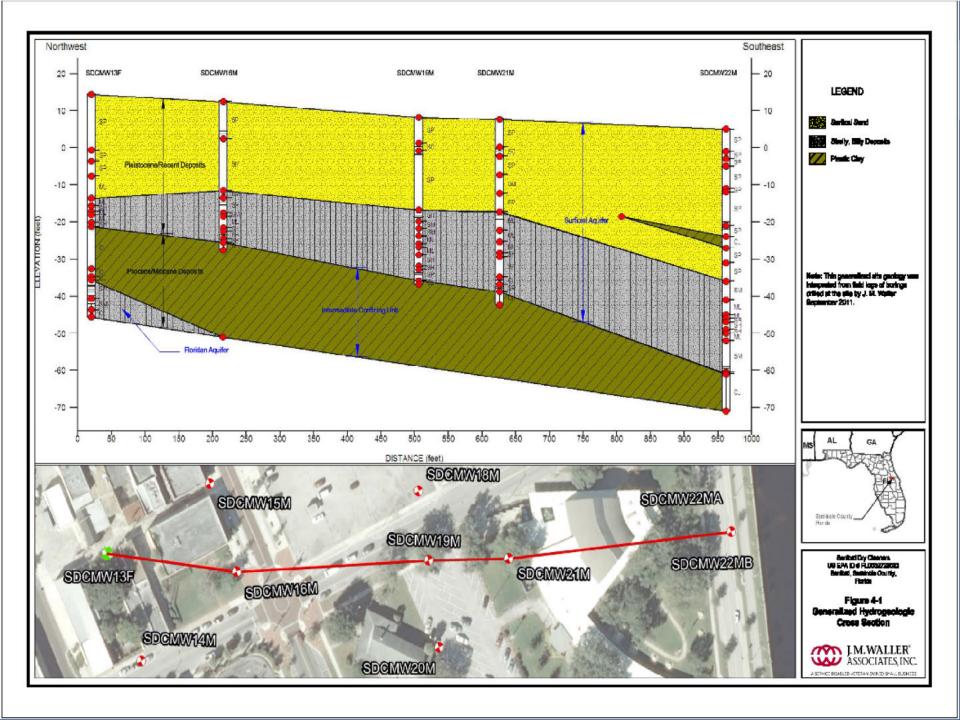


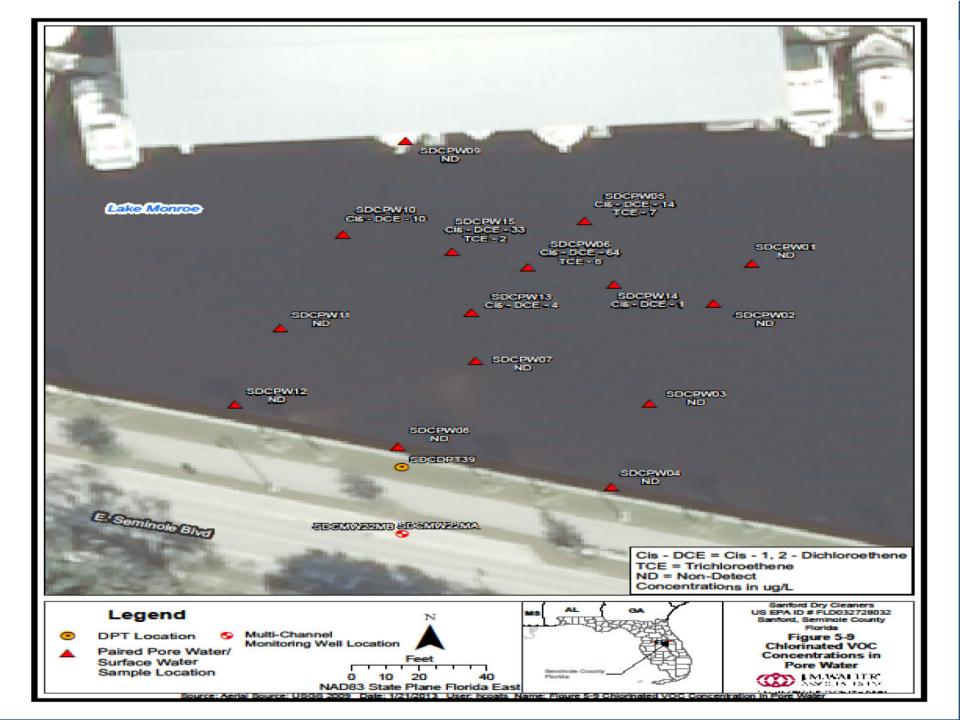












RISK SUMMARY					
Medium	Scenario	Receptor	Cancer Risk	Hazard Index	
C-11	Future	Resident	5.5x10 ⁻⁵	2.6	
Soil		Worker	6.4x10 ⁻⁶	0.53	
Groundwater	Future	Residential	4.0x10 ⁻³	278	
		Worker	6.9x10 ⁻⁴	72	
Todaya Air	F		2.2x10 ⁻⁶ to 1.4x10 ⁻⁵	0.022 to 1.2	
Indoor Air	Future	Worker	3.2x10 ⁻⁷ to 4.1x10 ⁻⁶	0.0038 to 0.48	



Remedial Action Objectives

- Prevent human exposure to soil and groundwater with COC concentrations above cleanup levels
- Prevent migration of contaminants to groundwater from soil with concentrations greater than leachability-based criteria
- Prevent and/or minimize COC-impacted groundwater migration into Lake Monroe
- Prevent and/or minimize COC migration from soil and groundwater to indoor air
- Restore groundwater quality to meet drinking water standards based upon classification as a potential drinking water source (Class G-II)

Remedial Alternatives Evaluated

Remedial Alternatives	Key Components	Cost
1	No Action	_
2	 Soil Capping, Passive Venting Monitored Natural Attenuation (MNA) Institutional Controls (ICs) 	\$2.0 M

Soil Excavation and Disposal, Soil Vapor

In-Situ Enhanced Bioremediation (Source

Soil Excavation and Disposal, SVE
 In-Situ Enhanced Bioremediation

(Source Areas, Barriers/Injection

Soil Excavation and Disposal, SVE

Soil Excavation and Disposal, SVE

Pump-&-Treat (Source Areas), MNA, ICs

In-Situ Thermal Heating(Source Areas),

Treatment Zones), MNA, ICs

\$3.0 M

\$3.2 M

\$4.9 M

\$9.9 M

Extraction (SVE)

Areas), MNA, ICs

MNA, ICs

3

5

6

